



CITRUS MAY FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

Cooperating with the Florida Department of Agriculture & Consumer Services
2290 Lucien Way, Suite 300, Maitland, FL 32751-7057
(407) 648-6013 · (407) 648-6029 FAX · www.nass.usda.gov/fl

May 9, 2014

Florida All Orange Production Up less than 1 percent
Florida Non-Valencia Orange Production Up 1 percent
Florida Valencia Orange Production Unchanged
Florida All Grapefruit Production Down 3 Percent
Florida All Tangerine Production Unchanged
Florida Tangelo Production Unchanged
Florida FCOJ Yield 1.58 Gallons per Box (42° Brix)

FORECAST DATES – 2013-2014 SEASON

[Release time 12:00 p.m. EDT]

June 11, 2014

July 11, 2014

Citrus Production by Type and State – United States

Crop and State	Production ¹			2013-2014 Forecasted Production ¹	
	2010-2011 (1,000 boxes)	2011-2012 (1,000 boxes)	2012-2013 (1,000 boxes)	April (1,000 boxes)	May (1,000 boxes)
Non-Valencia Oranges ²					
Florida	70,300	74,200	67,100	53,000	53,300
California ³	48,000	45,500	42,500	42,000	42,000
Texas ³	1,700	1,108	1,499	1,601	1,601
United States	120,000	120,808	111,099	96,601	96,901
Valencia Oranges					
Florida	70,200	72,500	66,500	57,000	57,000
California ³	14,500	12,500	12,000	12,000	12,000
Texas ³	249	311	289	404	404
United States	84,949	85,311	78,789	69,404	69,404
All Oranges					
Florida	140,500	146,700	133,600	110,000	110,300
California ³	62,500	58,500	54,500	54,000	54,000
Texas ³	1,949	1,419	1,788	2,005	2,005
United States	204,949	206,119	189,888	166,005	166,305
Grapefruit					
Florida-All	19,750	18,850	18,350	16,000	15,600
White	5,850	5,350	5,250	4,000	4,100
Colored	13,900	13,500	13,100	12,000	11,500
California ³	4,310	4,000	4,500	4,000	4,000
Texas ³	6,300	4,800	6,100	6,070	6,070
United States	30,360	27,650	28,950	26,070	25,670
Lemons ³					
California	20,500	20,500	21,000	20,000	20,000
Arizona	2,500	750	1,800	1,785	1,785
United States	23,000	21,250	22,800	21,785	21,785
Tangelos					
Florida	1,150	1,150	1,000	880	880
Tangerines					
Florida-All	4,650	4,290	3,280	2,950	2,950
Early ⁴	2,600	2,330	1,910	1,750	1,750
Honey	2,050	1,960	1,370	1,200	1,200
California ^{3 5}	10,600	10,800	13,000	13,200	13,200
Arizona ^{3 5}	300	200	200	200	200
United States	15,550	15,290	16,480	16,350	16,350

¹ Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California-80, Florida-85, Texas-80; lemons-80; tangelos-90; tangerines and mandarins in Arizona and California-80, Florida-95.

² Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas. Small quantities of tangerines in Texas and Temples in Florida.

³ Estimates carried forward from April.

⁴ Fallglo and Sunburst varieties.

⁵ Includes tangelos and tangors.

All Oranges 110.3 Million Boxes

The 2013-2014 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 110.3 million boxes, up less than one percent from last month, and 17 percent less than last season's final production figure. The total includes 53.3 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 57.0 million boxes of Valencia oranges. The hurricane seasons of 2004-2005 and 2005-2006 have been excluded from the usual 10-year regression analysis and from comparisons of the current season to previous seasons. For those previous 8 seasons, the May forecast has deviated from final production by an average of 2 percent with 5 seasons below and 3 above, and differences ranging from 3 percent below to 3 percent above. All references to "average", "minimum", or "maximum" refer to the previous 8 non-hurricane seasons unless noted.

Non-Valencia Oranges 53.3 Million Boxes

The forecast of non-Valencia orange production is raised to 53.3 million boxes. Harvest is complete for the included varieties. The Navel portion of the non-Valencia forecast is 1.95 million boxes.

Valencia Oranges 57.0 Million Boxes

The forecast of Valencia production remains at 57.0 million boxes. If realized, this harvest will be the least in over two decades. Estimated certifications throughout April averaged nearly 5 million boxes weekly. Processors were surveyed regarding fruit processed through April 30 and estimated quantity remaining for processing this season. Results of this survey support continuation of the current forecast. The Row Count survey, conducted April 29-30, showed 58 percent of the rows harvested. Estimated utilization to the first of May is 32.4 million boxes.

All Grapefruit 15.6 Million Boxes

The forecast of all grapefruit production is lowered 400,000 boxes to 15.6 million boxes. The white grapefruit forecast is raised 100,000 boxes and is now 4.1 million boxes, while the colored forecast is decreased 500,000 boxes, and is now 11.5 million boxes. The Row Count survey showed over 99 percent of the white grapefruit rows and over 98 percent of the colored grapefruit rows have been harvested.

All Tangerines 2.95 Million Boxes

The forecast of all tangerine production is unchanged at 2.95 million boxes. The early varieties (Fallglo and Sunburst) at 1.75 million boxes are finished for the season and the Honey variety is unchanged at 1.2 million boxes. The Row Count survey showed 96 percent of the Honey tangerine rows have been harvested.

Tangelos 880,000 Boxes

The forecast of tangelo production remains unchanged at 880,000 boxes, including an allocation of 100,000 boxes for non-certified use, and is 12 percent less than the 2012-2013 production. Tangelo harvest is complete for the season.

FCOJ Yield 1.58 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is lowered to 1.58 gallons per box of 42° Brix concentrate. The projection for Valencia oranges is now 1.64 gallons per box, reduced from 1.69 gallons per box. The final yield for non-Valencia oranges is 1.521318 gallons per box, as reported by the Florida Department of Citrus (FDOC) in Report No. 23. Last season's final yield for all oranges was 1.587680 gallons per box, 1.508465 gallons per box for non-Valencia oranges and 1.692050 for Valencia oranges.

Weather

Weather stations in the citrus growing areas reported afternoon temperatures ranging the mid 80s to mid 90s. Rainfall was sporadic, varying from very light earlier in the month to somewhat heavy toward the end of the month. Drought measurements as per the U.S. Drought Monitor, last updated April 29, 2014, indicate that the citrus producing region remains completely drought free.

Maturity Tests

Regular bloom fruit samples were collected from groves on established routes on April 29-30, 2014 in Florida's five major citrus producing areas, and tested May 1, 2014. Acid level and solids (Brix) are lower on late oranges than last season, with a higher ratio. Unfinished juice per box is higher than last season, while solids per box are lower. The current acid level and solids (Brix) are higher in fruit from the Indian River District than in other areas and the ratio is lower. Fruit from the Indian River has less unfinished juice per box and fewer solids per box than fruit from other areas.

Citrus Unadjusted Maturity Tests — Florida: 2012-2013 and 2013-2014

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8 inch orifice tube. The beam settings are also identical to past tests and no restrictors are used]

Fruit type (number of groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES (68-58)										
Oct 1	2.23	2.27	8.83	8.71	4.00	3.89	45.38	46.59	4.01	4.06
Nov 1	1.74	1.95	9.34	9.25	5.44	4.79	51.31	50.46	4.79	4.67
Dec 1	1.57	1.57	10.09	10.09	6.52	6.54	53.54	53.89	5.41	5.43
Jan 1	1.38	1.33	10.96	10.91	8.05	8.24	54.34	54.51	5.96	5.94
Feb 1	1.18	1.24	11.79	11.20	10.19	9.18	55.56	55.13	6.55	6.18
Mar 1	1.06	1.12	12.18	11.81	11.71	10.68	54.59	55.75	6.65	6.59
Apr 1	1.01	0.98	12.38	11.90	12.46	12.29	55.67	55.50	6.89	6.61
May 1	0.93	0.85	12.74	12.37	14.00	14.74	54.64	55.75	6.96	6.89

Citrus Maturity Test Averages, by Areas — Florida: May 1, 2012-2013 and 2013-2014

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES										
Indian River (16-10).....	0.96	0.89	12.64	12.40	13.55	14.16	53.53	53.75	6.75	6.65
Other Areas (52-48).....	0.92	0.84	12.77	12.36	14.14	14.86	54.98	56.17	7.02	6.94

Fruit Size Comparisons to Previous Seasons

Size frequency distributions from the April size survey are shown in the table below. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions include fruit from regular bloom and exclude fruit from summer bloom.

The chart to the right shows the distribution of fruit sizes in 2014 compared to 2013. The diameter measurements shown are the minimum values of fruit measured, except for the smallest values.

Citrus Size Frequency Measurement Distributions, by Type — Florida: April Survey

Type and number of fruit per 4/5 – bushel containers	2012	2013	2014
	(percent)	(percent)	(percent)
VALENCIA ORANGES			
64 or less.....	5.1	4.7	3.7
80.....	23.7	15.5	13.6
100.....	42.8	36.5	31.7
125.....	22.4	28.4	29.9
163 or more.....	6.0	14.9	21.1

Fruit Size Frequency Measurements, Valencia Oranges, by Diameter - Florida: April Survey

